



United States
Environmental Protection Agency
 Washington, DC 20460

☒ **Registration**
☐ **Amendment**
☐ **Other**

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 2792-	2. EPA Product Manager L. Hollis	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) NT-7815	PM# 91	
5. Name and Address of Applicant (Include ZIP Code) DECCO US POST-HARVEST, INC. 1713 South California Ave. Monrovia, CA 91016 <input type="checkbox"/> Check if this is a new address		6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input type="checkbox"/> Notification - Explain below.	<input checked="" type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Initial application for registration.

PRIA Category: B672

PRIA Fee: \$9,118

Contact: fsmith@SciReg.com

Section - III

1. Material This Product Will Be Packaged In:			
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2. Type of Container <input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input checked="" type="checkbox"/> Other (Specify) <u>toiled-lined paper containing gel caps</u>
* Certification must be submitted			
If "Yes" Unit Packaging wgt. 0.034 - 286.1 oz	No. Per Container 1 - 300	If "Yes" Package wgt 0.034 - 286.1 oz	No. Per Container 1 - 50
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 20 - 200 units per container	
		5. Location of Label Directions <input checked="" type="checkbox"/> On label. <input type="checkbox"/> On label accompanying product.	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input checked="" type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input type="checkbox"/> Other _____	

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Frederick T. Smith	Title Agent	Telephone No. (include Area Code) 703/494-6500
Certification I certify that the statements which I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title Agent (SciReg, Inc.)	
4. Typed Name Frederick T. Smith	5. Date 10/2/15	

TRANSMITTAL DOCUMENT

Submitter

DECCO US POST-HARVEST, INC.
1713 South California Ave.
Monrovia, CA 91016

SciReg, Inc.*
12733 Director's Loop
Woodbridge, VA 22192

*SciReg, Inc. is the authorized agent for DECCO US POST-HARVEST, INC.

Regulatory action in support of which this package is submitted

New Product Registration:
NT-7815

Transmittal Date

October 2, 2015

Contents

Volume 1	Administrative Materials
Volume 2	Product Identity and Composition, Description of Beginning Materials, Description of Manufacturing Process, Description of Formulation Process, Discussion of the Formation of Impurities, and Certified Limits (OPPTS 880.1100, 880.1200, 880.1400, 830.1750)
Volume 3	Preliminary Analysis (OPPTS 830.1700)
Volume 4	Enforcement Analytical Method (OPPTS 830.1800)
Volume 5	Physical-Chemical Properties Summary (OPPTS 830.6302 - 830.7950)
Volume 6	Physical-Chemical Properties - TGAI (OPPTS 830.6302, 830.6303, 830.6304, 830.6313)
Volume 7	Physical-Chemical Properties - EP (OPPTS 830.6302, 830.6303, 830.6304, 830.7300)
Volume 8	Physical-Chemical Properties - EP (OPPTS 830.6315, 830.7000, 830.7100)
Volume 9	Toxicology and Nontarget Organisms Waiver Requests - TGAI and EP (OPPTS 870.1100, 870.1200, 870.1300, 870.2400, 870.2500, 870.2600, 870.3100, 870.3250, 850.1010, 850.1075, 850.2100, 850.2200, 850.4100, 850.4150, 880.4350)

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October 2, 2015
Page 2

Volume 10 Preliminary Analysis – 1-MCP (OPPTS 830.1700)

Volume 11 Preliminary Analysis – Impurities (OPPTS 830.1700)

Company Official: Frederick T. Smith



Company Name: SciReg, Inc.

Company Contact: Frederick T. Smith (703) 494-6500



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, D.C. 20460

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 1.25 hours per response for registration and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460.
 Do not send the completed form to this address.

Certification with Respect to Citation of Data

Applicant's/Registrant's Name, Address, and Telephone Number DECCO US POST-HARVEST, INC., 1713 South California Ave., Monrovia, CA 91016; (626) 359-8240	EPA Registration Number/File Symbol 2792-
Active Ingredient(s) and/or representative test compounds(s) 1-methylcyclopropene (1-MCP)	Date 10/2/15
General Use Pattern(s) (list all those claimed for this product using 40 CFR Part 158) Indoor	Product Name NT-7815

NOTE: If your product is a 100% repackaging of another purchased EPA-registered product labeled for all the same uses on your label, you do not need to submit this form. You must submit the Formulator's Exemption Statement (EPA Form 8570-27).

☐ I am responding to a Data Call-In Notice, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

SECTION I: METHOD OF DATA SUPPORT (Check one method only)

☐ I am using the cite-all method of support, and have included with this form a list of companies sent offers of compensation (the Data matrix form should be used for this purpose).

☒ I am using the selective method of support (or cite-all option under the selective method), and have included with this form a completed list of data requirements (the Data Matrix form must be used).

SECTION II: GENERAL OFFER TO PAY

[Required if using the cite-all method or when using the cite-all option under the selective method to satisfy one or more data requirements]

☐ I hereby offer and agree to pay compensation, to other persons, with regard to the approval of this application, to the extent required by FIFRA.

SECTION III: CERTIFICATION

I certify that this application for registration, this form for reregistration, or this Data Call-In response is supported by all data submitted or cited in the application for registration, the form for reregistration, or the Data Call-In response. In addition, if the cite-all option or cite-all option under the selective method is indicated in Section I, this application is supported by all data in the Agency's files that (1) concern the properties or effects of this product or an identical or substantially similar product, or one or more of the ingredients in this product; and (2) is a type of data that would be required to be submitted under the data requirements in effect on the date of approval of this application if the application sought the initial registration of a product of identical or similar composition and uses.

I certify that for each exclusive use study cited in support of this registration or reregistration, that I am the original data submitter or that I have obtained the written permission of the original data submitter to cite that study.

I certify that for each study cited in support of this registration or reregistration that is not an exclusive use study, either: (a) I am the original data submitter; (b) I have obtained the permission of the original data submitter to use the study in support of this application; (c) all periods of eligibility for compensation have expired for the study; (d) the study is in the public literature; or (e) I have notified in writing the company that submitted the study, and have offered (i) to pay compensation to the extent required by sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA; and (ii) to commence negotiations to determine the amount and terms of compensation, if any, to be paid for the use of the study.

I certify that in all instances where an offer of compensation is required, copies of all offers to pay compensation and evidence of their delivery in accordance with sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA are available and will be submitted to the Agency upon request. Should I fail to produce such evidence to the Agency upon request, I understand that the Agency may initiate action to deny, cancel or suspend the registration of my product in conformity with FIFRA.

I certify that the statements I have made on this form and all attachments to it are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

Signature 	Date 10/2/15	Typed or Printed Name and Title Frederick T. Smith, Agent (SciReg, Inc.)
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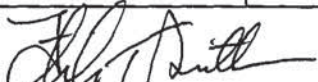


UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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Washington, D.C. 20460

Form Approved OMB No. 2070-0060

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date <u>10/2/15</u>		EPA Reg No./File Symbol <u>2792-</u>		Page <u>1</u> of <u>1</u>	
Applicant's/Registrant's Name & Address DECCO US POST-HARVEST, INC. 1713 South California Ave. Monrovia, CA 91016		Product NT-7815			
Ingredient <u>1-methylcyclopropene</u>					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
Product-specific Data					
880.1100	Product identity and composition		DECCO US POST-HARVEST, INC.	OWN	Submitted herein.
880.1200	Desc. of mat. used to produce the product		DECCO US POST-HARVEST, INC.	OWN	Submitted herein.
880.1200	Desc. of formulation process		DECCO US POST-HARVEST, INC.	OWN	Submitted herein.
880.1400	Discussion of formation of impurities		DECCO US POST-HARVEST, INC.	OWN	Submitted herein.
830.1700	Preliminary analysis		DECCO US POST-HARVEST, INC. DECCO US POST-HARVEST, INC. DECCO US POST-HARVEST, INC.	OWN OWN OWN	Submitted herein. Submitted herein. Submitted herein.
830.1750	Certified limits		DECCO US POST-HARVEST, INC.	OWN	Submitted herein.
830.6302	Color		DECCO US POST-HARVEST, INC.	OWN	Submitted herein.
830.6303	Physical state		DECCO US POST-HARVEST, INC.	OWN	Submitted herein.
830.6304	Odor		DECCO US POST-HARVEST, INC.	OWN	Submitted herein.
830.6315	Flammability		DECCO US POST-HARVEST, INC.	OWN	Submitted herein.
830.7000	pH		DECCO US POST-HARVEST, INC.	OWN	Submitted herein.
830.7100	Viscosity		DECCO US POST-HARVEST, INC.	OWN	Submitted herein.
830.7300	Density/relative density/bulk density		DECCO US POST-HARVEST, INC.	OWN	Submitted herein.
870.1100, 870.1200, 870.1300, 870.2400, 870.2500, 870.2600	Acute toxicology waiver requests		DECCO US POST-HARVEST, INC.	OWN	Submitted herein.
Signature 			Name and Title Frederick T. Smith, Agent (SciReg, Inc.)		Date <u>10/2/15</u>

EPA Form 8570-35 (9-97) Electronic and Paper version available. Submit only Paper version.

Agency Internal Use Copy



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY


Form Approved OMB No. 2070-0060

401 M Street, S.W.

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DATA MATRIX

Date <u>10/2/15</u>	EPA Reg No./File Symbol	2792-	Page	1	of	2
Applicant's/Registrant's Name & Address DECCO US POST-HARVEST, INC. 1713 South California Ave. Monrovia, CA 91016		Product NT-7815				
Ingredient 1-methylcyclopropene						
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note	
Generic Data						
830.1550	Product identity and composition		DECCO US POST-HARVEST, INC.	OWN	Submitted herein.	
830.1600	Desc. of mat. used to produce the product		DECCO US POST-HARVEST, INC.	OWN	Submitted herein.	
830.1620	Desc. of production process		DECCO US POST-HARVEST, INC.	OWN	Submitted herein.	
830.1670	Discussion of formation of impurities		DECCO US POST-HARVEST, INC.	OWN	Submitted herein.	
830.1800	Enforcement analytical method		DECCO US POST-HARVEST, INC.	OWN	Submitted herein.	
830 series	Physical-chemical properties summary		DECCO US POST-HARVEST, INC.	OWN	Submitted herein.	
830.6302	Color		DECCO US POST-HARVEST, INC.	OWN	Submitted herein.	
830.6303	Physical state		DECCO US POST-HARVEST, INC.	OWN	Submitted herein.	
830.6304	Odor		DECCO US POST-HARVEST, INC.	OWN	Submitted herein.	
830.6313	Stability		DECCO US POST-HARVEST, INC.	OWN	Submitted herein.	
830.7050	UV/Visible absorption	47088604	AgroFresh	PAY		
870.1100	Acute oral toxicity - waiver request		DECCO US POST-HARVEST, INC.	OWN	Submitted herein.	
870.1200	Acute dermal toxicity - waiver request		DECCO US POST-HARVEST, INC.	OWN	Submitted herein.	
870.1300	Acute inhalation toxicity	44464705	AgroFresh	OLD		
870.2400	Eye irritation - waiver request		DECCO US POST-HARVEST, INC.	OWN	Submitted herein.	
870.2500	Dermal irritation - waiver request		DECCO US POST-HARVEST, INC.	OWN	Submitted herein.	
870.2600	Dermal sensitization - waiver request		DECCO US POST-HARVEST, INC.	OWN	Submitted herein.	
870.3100	90-day oral toxicity - waiver request		DECCO US POST-HARVEST, INC.	OWN	Submitted herein.	
870.3250	90-day dermal toxicity - waiver request		DECCO US POST-HARVEST, INC.	OWN	Submitted herein.	
870.3465	90-day inhalation toxicity	45609001	AgroFresh	PAY		
870.3700	Prenatal developmental toxicity	45458608	AgroFresh	PAY		
870.5100	Bacterial reverse mutation	45380302	AgroFresh	PAY		
870.5300	In vivo mammalian cell assay	45380304	AgroFresh	PAY		
850.2100	Avian acute oral toxicity - waiver request		DECCO US POST-HARVEST, INC.	OWN	Submitted herein.	
850.2200	Avian dietary toxicity - waiver request		DECCO US POST-HARVEST, INC.	OWN	Submitted herein.	
Signature 			Name and Title Frederick T. Smith, Agent (SciReg, Inc.)		Date 10/2/15	

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
Washington, D.C. 20460

B 672

A B672 is described as a new product; non-food use or food use having established tolerance or tolerance exemption; unregistered source of active ingredient; no data compensation issues; all Tier I data requirements for product chemistry, toxicology, non-target organisms, and product performance must be addressed with product-specific data or with request for data waivers supported by scientific rationales.

This PRIA code is interpreted as an application for registration of a microbial or biochemical pesticide product that is **not** substantially similar or identical in its uses and/or formulation to products that are currently registered. These applications require product specific chemistry data, acute toxicity data and other Tier I mammalian and non-target toxicity data as determined by the general use patterns for the product. When public health pests are claimed, efficacy (product performance) data for the product must be submitted.

End Use (EP) Data. Manufacturing Use (MP) product or Technical Grade of the Active Ingredient (TGAI). This is for products with an unregistered source of active ingredient(s). These products are not 100% identical (repack)

Guideline No.	Product Chemistry Data Study Title	EP Data Submitted/ Cited		MP or TGAI Data Submitted/ Cited	
		Yes	No	Yes	No
880.1100	Product Identity & Composition	✓			
880.1200	Description of starting materials production and formulation process.	✓			
880.1400	Discussion on the formation of impurities	✓			
830.1700	Preliminary analysis	✓			
830.1750	Certified limits (158.345)	✓			
830.1800	Enforcement analytical method	✓			
830.6302	Color	✓			
830.6303	Physical State	✓			
830.6304	Odor	✓			
830.6313	Stability to normal and elevated temperatures metal and metal ions				
830.6315	Flammability	✓			
830.6317	Storage stability		✓		
830.6319	Miscibility		✓		
830.6320	Corrosion Characteristics		✓		
830.7000	pH	✓			
830.7050	UV/ Visible Absorption				
830.7100	Viscosity	✓			
830.7200	Melting Point				
830.7220	Boiling Point				
830.7300	Density	✓			
830.7550					
830.7560	Partition Coefficient				

830.7570					
830.7840	Water Solubility				
830.7950	Vapor Pressure				

Grayed out = data not required

New products which are generated using an unregistered source of the active ingredient must either: 1) supply the product specific acute toxicity data (listed below), or 2) provide a bridging rationale document or a waiver request with a rationale. The bridging approach may be acceptable since the TGAI data is generated and submitted in addition to the end use data. If the inert components in the end use product are benign and do not significantly add to the ep such that the ep is significantly different from the MP thus changing the tox profile, a bridging argument may be deemed acceptable. This decision however, is made by the regulatory division.

End-use product Toxicity Data Requirements

Guideline No.	Acute toxicity (6 pack) Study Title	Data submitted		Cited		Waiver Request Rationale	
		Yes	No	Yes	No	Yes	No
870.1100	Acute Oral (LD50)	✓					
870.1200	Acute Dermal (LD50)	✓					
870.1300	Acute Inhalation (LC50)	✓					
870.2400	Acute Eye Irritation	✓					
870.2500	Acute Dermal Irritation	✓					
870.2600	Dermal Sensitization	✓					

Manufacturing Use Product (MP) or Technical Grade Active Ingredient (TGAI) Toxicity Data Requirements. The test substance must be the TGAI or MP

Guideline No.	Acute toxicity (6 pack) Study Title	Data submitted		Cited		Waiver Request Rationale	
		Yes	No	Yes	No	Yes	No
870.1100	Acute Oral (LD50)						
870.1200	Acute Dermal (LD50)						
870.1300	Acute Inhalation (LC50)						
870.2400	Acute Eye Irritation						
870.2500	Acute Dermal Irritation						
870.2600	Dermal Sensitization						
870.3100	90-day oral (one species						

870.3250	90-day dermal - rat						
870.3465	90-day inhalation - rat						
870.3700	Prenatal Developmental – rat preferably						
870.5100	Bacterial Reverse Mutation Test						
870.5300	<i>In vitro</i> mammalian cell assay						
870.5375							

Manufacturing Use Product (MP) or Technical Grade Active Ingredient (TGAI) Non-target Organism Toxicity. The test substance must be the TGAI or MP

Guideline No.	Non-Target Organism Acute Toxicity Study Title	Data submitted		Cited		Waiver Request Rationale	
		Yes	No	Yes	No	Yes	No
850.2100	Avian Acute Oral Toxicity						
850.2200	Avian Dietary Toxicity						
850.1075	Fish Acute Toxicity, Freshwater						
850.1010	Aquatic Invertebrate Acute Toxicity, Freshwater						
850.4100	Terrestrial Plant Toxicity, Seedling Emergence						
850. 4150	Terrestrial Plant Toxicity, Vegetative Vigor						

Efficacy – Whether or not these data are submitted depends on the proposed label use (public health pests). Data are conducted on the end-use product.

NT-7815

Active Ingredient: 1-Methylcyclopropene (1-MCP)*0.7%
Other Ingredients:99.3%
Total:100.0%

KEEP OUT OF REACH OF CHILDREN

EPA Reg. No. 2792-

EPA Est. No.

Manufactured for: Decco U.S. Post-Harvest, Inc.
1713 South California Ave.
Monrovia, CA 91016

Net Contents:

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Workers Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas prior to venting the volatile active ingredient from the treatment room.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water, prior to venting the volatile active ingredient from the treatment room is:

- Coveralls
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks
- Respirator with an organic-vapor removing cartridge with a pre-filter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any N, R, P, or HE pre-filter.

PRODUCT INFORMATION

NT-7815 is a novel gel-based formulation of 1-MCP which releases volatile 1-MCP in the NT-7815 Proprietary Gas Generator. NT-7815 effectively blocks postharvest ethylene responses, extending the storage life and quality of many fruits and vegetables.

NT-7815 delivers various benefits to growers, packers, shippers, retailers and consumers including:

- Reduced loss of produce quality in storage and during transportation
- Reduced food waste along the supply chain
- Longer postharvest storage periods
- Compatibility with most postharvest fungicide treatments
- Enables produce to reach more distant markets
- Leaves no detectable residues
- Effective in controlled atmosphere and air-cooled storage systems
- Enhanced consumer experience at the retailer level

NT-7815 can be applied to fruits and vegetables from just after harvest to just prior to sale. Treatment with NT-7815 is effective under both cool (below 55°F, 13°C) and warm temperature conditions (up to 68°F, 20°C). For best results, treat produce as soon as possible after harvest. Harvested fruits and vegetables must be exposed to 1-MCP in enclosed areas, such as controlled atmosphere storage rooms, coolers, shipping containers, enclosed truck trailers, or ambient temperature, refrigerated, or controlled atmosphere food storage facilities. NT-7815 is intended only for indoor air-tight enclosed areas with no gas leakage in order to assure NT-7815 effectiveness.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your state or tribe, consult the state or tribal agency responsible for pesticide regulation. All applicable directions, restrictions, precautions and conditions of sale and warranty are to be followed. This labeling must be in the user's possession during application.

NT-7815 Foil Pouch Package

Capsules per pouch	Grams per pouch	Oz. per pouch	Cubic ft. treated per pouch	Capsules per pouch	Grams per pouch	Oz. per pouch	Cubic ft. treated per pouch
1	0.95	0.034	105	175	166.9	5.89	18,419
5	4.8	0.17	526	200	190.7	6.73	21,050
10	9.5	0.34	1,052	225	214.6	7.57	23,681
25	23.8	0.84	2,631	250	238.4	8.41	26,312
50	47.7	1.68	5,262	275	262.3	9.25	28,943
75	95.4	3.36	10,525	280	267.0	9.42	29,470
125	119.2	4.21	13,156	290	276.6	9.76	30,522
150	143.1	5.05	15,787	300	286.1	10.09	31,575

NT-7815 Water Soluble Pouch

Grams per pouch	Oz. per pouch	Cubic ft. treated per pouch	Grams per pouch	Oz. per pouch	Cubic ft. treated per pouch
0.95	0.034	105	166.9	5.89	18,419
4.8	0.17	526	190.7	6.73	21,050
9.5	0.34	1,052	214.6	7.57	23,681
23.8	0.84	2,631	238.4	8.41	26,312
47.7	1.68	5,262	262.3	9.25	28,943
95.4	3.36	10,525	267.0	9.42	29,470
119.2	4.21	13,156	276.6	9.76	30,522
143.1	5.05	15,787	286.1	10.09	31,575

NT-7815 USE RATES

Crop-Specific Treatment Rates (PPB) and Volume Treated

Crops	Number of applications	PPB	Cubic ft. per capsule
Apple	1 to 3	1000 to 750	105 to 132
Asian Pear, Avocado, and Broccoli	1	1000 to 750	105 to 132
Pear and Banana	1	1000 to 700	105 to 137
Apricot, Kiwifruit, Melon, Nectarine, Peach, Persimmon, Plum, Plumcot, and Tomato	1	600 to 300	147 to 295

Duration of NT-7815 application for fruit and vegetables

- Apple, Apricot, Nectarine, Peach, Pear, Plum, and Plumcot - 24 hours
- Asian Pear - 15 hours
- Avocado, Banana, Broccoli, Kiwifruit, Melon, Persimmon, and Tomato - 12 hours

TIMING OF APPLICATION

Crop Type	Crops	Application Timing
Temperate treefruit	Apple, Asian Pear and Pear	Treat as soon as possible after harvest.
	Apricot, Kiwifruit, Nectarine, Peach, Plum, and Plumcot	Treat after long-term storage and before fruit are transported for distribution.
Tropical treefruit	Avocado and Persimmon	Treat at the physiological maturity stage or just prior to the turning black stage.
Tropical treefruit	Bananas	Treat after ethylene treatment and prior to reaching color stage 4.
Other fruit and vegetables	Broccoli	Treat as soon as possible after harvest.
	Tomato	Treat between color stage 1, mature green and color stage 5, light red. Treat within three days of harvest.
	Melon	Treat after long-term storage and before fruit are transported for distribution.

METHOD OF APPLICATION

1. Prior to NT-7815 application, make sure that the storage room and door are air tight to maintain 1-MCP in the room during the application.
2. Position the NT-7815 proprietary gas generator unit in the storage room and install new batteries prior to each application.
3. Add 8-liters of water (55°F to 86°F, 13°C to 30°C) to the generator and activate the bubble generation system.
4. Open the foil pouch and empty the NT-7815 gel capsules or drop the water soluble pouches into the gas generator. Release of 1-MCP will begin in approximately 30-minutes.
5. Keep storage room doors sealed for 12 to 24 hours, depending upon the fruit or vegetable being treated, to ensure effective NT-7815 treatment. During the treatment, operate internal refrigerated air circulation to ensure strong air circulation within the room.
6. Close all vents to outside air, and turn off any ethylene-scrubbing devices or ozone-generating equipment. After treatment, vent storage room for a minimum of thirty minutes with continued full internal ventilation before allowing workers to enter. A Decco technical specialist will retrieve the gas generator and dispose of the contents in a safe manner.

REENTRY

After the treatment area is sealed, post a sign on all of the entrances to the treatment area. The sign should read:

"DO NOT ENTER AREA. NT-7815 TREATMENT IN PROGRESS"

RESTRICTIONS

Restricted Entry Interval (REI): 30 minutes after room has been vented.

Maximum use rate: One to three applications depending upon the fruit or vegetable at a maximum single use rate of 1000 PPB (volume/volume in air).

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage: Store in original packaging in a cool, dry place.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Handling: Nonrefillable container. Do not reuse or refill this container.

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